

Midland, TX

Advanced industries employ

13,890

full-time workers. (2013)

These direct jobs supports an additional

11,110

indirect jobs in other industries in
the region.

Advanced industries produce

\$9.9

billion dollars in output in the region.
(2013, 2005 Chained)

Advanced industries pay, on average

\$93,320

dollars per year (2013).

Advanced industries directly
account for

15.6%

of all jobs in the region.

This employment share is

#8

among all small metros.

This accounts for

53.1%

of all output in the region (2013).

This compares to average pay of

\$63,420

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

OUTPUT

11.8%

2.7%

Midland, TX

U.S.

19.1%

3.8%

Midland, TX

U.S.

What are Advanced Industries?

The Metropolitan Policy Program at Brookings defines advanced industries as those that: 1) Spend at least \$450 per worker per year on R&D and 2) employ at least 20 percent of their workforce in STEM-intensive occupations. The definition identifies 50 4-digit NAICS industries across the manufacturing, energy, and services sectors that together constitute the advanced industries super-sector.

Why do Advanced Industries Matter?

Advanced industries encompass the nation's "tech" sector at its broadest and most consequential. They represent a sizable economic anchor for the U.S. economy and have led the post-recession employment recovery. Their competitiveness and growth are prerequisites for any future broadly shared prosperity. As such, the sector encompasses the country's best shot at supporting innovative, inclusive, and sustainable growth. Advanced industries are present in nearly every U.S. region, but the sector's geography is uneven.

For More Information

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www.brookings.edu/advancedindustries

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DATA NOTES

All figures reflect Brookings analysis of data from Moody's Analytics.

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Twenty-Five Largest Advanced Industries (2013)

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2013)	Industry Location Quotient (LQ) † 2013	Industry Share of Total Advanced Industries Employment (2013)	Industry Employment Annual Growth 2010-2013	Industry Share of Total Advanced Industries Output (2013)	Industry Output Annual Growth 2010-2013
2111	Oil & Gas Extraction	7,980	64.27	57.5%	16.5%	87.8%	21.1%
5413	Architecture & Engineering	2,280	2.70	16.4%	9.3%	3.3%	9.1%
3339	General Purpose Machinery	720	4.49	5.2%	11.6%	1.4%	17.8%
5416	Management Consulting	640	0.86	4.6%	25.5%	1.0%	24.7%
3331	Agri., Constr., Mining Machinery	520	3.32	3.7%	15.8%	1.2%	22.8%
5172	Wireless Telecom Carriers	260	2.68	1.9%	-12.4%	0.7%	-8.1%
6215	Medical and Diagnostic Laboratories	210	1.34	1.5%	-9.9%	0.2%	-11.9%
3364	Aircraft Products & Parts	160	0.50	1.1%	-7.5%	0.3%	-1.7%
5415	Computer Systems Design	140	0.13	1.0%	14.9%	0.3%	15.7%
2211	Power Generation & Supply	140	0.56	1.0%	-1.4%	1.0%	7.1%
3332	Industrial Machinery	120	1.85	0.9%	10.1%	0.3%	15.9%
3399	Misc. Manufacturing	100	0.60	0.7%	-3.0%	0.1%	-4.2%
3336	Engine & Power Equipment	100	1.58	0.7%	13.5%	0.3%	22.1%
5182	Data Processing & Hosting	100	0.57	0.7%	8.6%	0.2%	6.7%
3241	Petroleum & Coal Products	60	0.83	0.4%	-15.0%	0.8%	-10.1%
3259	Misc. Chemicals	50	0.92	0.3%	1.4%	0.3%	-2.5%
5152	Cable and Other Subscription Programming	40	0.95	0.3%	-5.5%	0.1%	10.4%
5191	Web Search Portals and Internet Publishing	40	0.28	0.3%	7.7%	0.0%	4.7%
3361	Motor Vehicles	30	0.27	0.2%	-7.9%	0.1%	5.1%
3251	Basic Chemicals	30	0.33	0.2%	71.0%	0.3%	74.1%
3391	Medical Equipment & Supplies	20	0.13	0.2%	-2.6%	0.0%	-3.3%
5112	Software Products	20	0.13	0.2%	-2.6%	0.1%	2.3%
3363	Motor Vehicle Parts	20	0.07	0.2%	-7.7%	0.1%	7.0%
3362	Motor Vehicle Body & Trailers	20	0.23	0.1%	-3.1%	0.0%	5.6%
3353	Electrical Equipment	20	0.20	0.1%	#REF!	0.0%	295.0%
Advanced industries manufacturing		2,030	0.59	14.6%	6.0%	5.3%	9.0%
Advanced industries energy		8,120	20.31	58.5%	16.1%	88.8%	20.9%
Advanced industries services		3,740	0.96	26.9%	7.1%	6.0%	7.2%
ADVANCED INDUSTRIES TOTAL		13,890	1.80	100.0%	11.8%	100.0%	19.1%

† Location quotients are a measure of specialization for an industry using employment. A LQ of over 1 indicates that an industry employs more workers, as a share of total employment, than the nation as a whole.